

The Raleigh Amateur Radio Society's **EXCITER**



RARS EVENTS:

- The RARS General Membership meeting is the 1st Tuesday of the month.
- The RARS net meets every night @ 8 PM on 146.640.
- The RARS Technical & Trader's net is Saturdays @ 8:30 PM or following the RARS net.
- RARS meets for a monthly dinner on the 2nd Tuesday of each month.

Needed: WIAW Morse Code Reception Reports Announcement by David Crawford KF4VXJ

WIAW, the ARRL HQ's main station, could use reception reports of their Morse Code practice, and all bulletin, transmissions. These transmissions are for the amateur radio community's benefit. They are transmitted simultaneously on all HF bands, and on two meters on 147.555 MHz.

Morse code (CW) practice transmissions are sent starting at 9 am, 4 pm, 7 pm, and 10 pm on 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, and 28.0675 MHz.

ARRL Voice bulletins are transmitted in single sideband at 9:45 pm each weekday on 1.855, 3.990, 7.290, 14.290, 18.160, 21.390, 28.590 and 147.555 MHz.

ARRL bulletins are sent in Morse code starting at 5 pm, 8 pm, and 11 pm, using the same frequencies as the practice transmissions.

ARRL bulletins are sent in three digital modes starting at 6 and 9 pm, using RTTY (45.45-baud), PSK31, MFSK16 formats. The frequencies used are 3.5975, 7.095, 14.095, 18.1025, 21.095, 28.095 kHz and 147.555 MHz. The formats are sent in a rotating format, so see <http://www.arrl.org/digital-transmissions> for details.

A proper reception report should contain: Your name, location, transceiver info, antenna info (include orientation if directional), date, and time. For each frequency heard, give it a *truthful* RST report with any comments desired. RST are the initials for Readability (0-5), Strength (0-9), and Tone (0-9).

Send reception reports to Joe Carcia electronically at wlaw@arrl.org. Further information on the WIAW transmissions are at <http://www.arrl.org/wlaw>.

Next RARS Meeting: September 6

7:30 PM: "Youth DX Adventure" in Costa Rica by Grace Jenkins, KJ4KWG; Sam Jenkins, KI4TRG; Steve Jenkins, KA8HXX; and Deb Bray, KI4VVE.

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).



The Exciter

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcome articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

The Editor reserves the right to edit any and all pieces.

The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

Editor: Courtney Enzor KI4HOS (editor@rars.org)

RARS General Meeting

Date: First Tuesday of each month

Location: First Alliance Church
4400 Buffaloe Road
Raleigh, NC

Time: People begin arriving at 7 PM. The meeting officially begins at 7:30 PM.

RARS Monthly Dinner

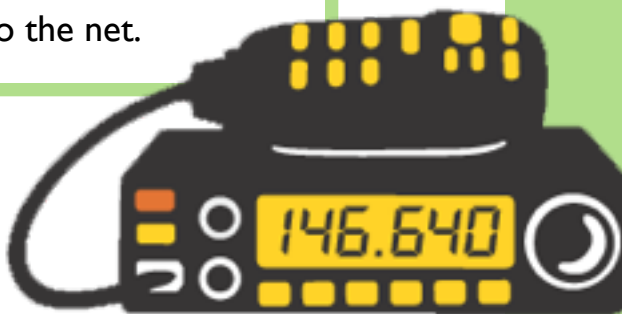
Join us on the 2nd Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family – feel free to bring your little ones! Dinner begins at 6:30 pm.

Listen to the nightly RARS net and check www.rars.org for details on the next dinner's location.

RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net @ 8 PM on the 146.640. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS member to the net.



VE TESTING

The RARS VEs will accept walk-in testing at the February, May, August, and November RARS meetings; the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, your \$14 exam fee, and any CSCEs you have for credit. Visit www.rars.org for more information.

September Birthdays

Chris	KJ4ZBB	9/1
Wilbur	WD4RDT	9/3
Andy	KD4FHF	9/4
Mary Jo	K4MJL	9/5
Lou	K4BYN	9/7
Jack	N6UYB	9/8
Don	N4APX	9/10
John	N4YRB	9/12
Sam	NC4SJ	9/13
Al	KE4IUK	9/13
Debra	KJ4AST	9/13
Don	K4MQE	9/17
Rod	KI4LSN	9/20
Larry	KI4FYR	9/24
Justin	AJ4MJ	9/25
Steve	KI4YXJ	9/25
David	AB4MB	9/26
Carolyn	KC4EYK	9/27
Kathy	N8MOF	9/27

Upcoming Hamfests

- 9/3- Shelby Hamfest
9/4 Dallas, NC
<http://shelbyhamfest.org/hamfest.htm>
- 9/10 Greater Louisville Hamfest
Sheperdsville, KY
<http://louisvillehamfest.com/>
- 9/17 Virginia "Back to the Beach" Hamfest
Virginia Beach, VA
<http://www.vbhamfest.com/>
- 9/23- 12th Annual TEN-TEC Factory Hamfest
9/24 Sevierville, TN
<http://radio.tentec.com/Hamfest?s=hamfest>
- 10/1 57th Rock Hill Hamfest & Computer Expo
Rock Hill, SC
<http://www.rockhillhamfest.com/>

New RARS Members

Olivia Hurd	KG4IYI
Frank Overstreet	KJ4CKP
Sean Thompson	KK4BVL
Travis Ward	KJ4DBA

Correction

Field Day photos in the August 2011 *Exciter* were taken by David KF4VXJ and Richard NC4EN instead of Bob W4TTX. Bob supplied the captions.

July 2011

RARS Net Reports

Checkins: 650
Traffic: 40/30
Minutes: 690
Sessions: 31

Special Interest Nets:*

Checkins: 150
Minutes: 390
Sessions: 9

President's Corner

By Karl Bowman W4CHX, RARS President

Greetings! I hope that you have had a great summer! It is hard to believe it is almost over! Fortunately, temperate weather should continue for at least 2-3 more months, allowing one to enjoy ham radio operations as an outdoor activity. Great opportunities for outdoor operations, as well as very important public service activities, include the Bike MS: Historic New Bern Ride, (Sept. 10 & 11); the Raleigh City of Oaks Marathon and Rex Healthcare Half Marathon (Nov. 6); and the "Makin' Room for Turkey" Ride in Raleigh (Nov. 20). Check the RARS website for more details, other events, and to volunteer. You may also get more ham public service information by contacting John Snellen at ai4rt@hotmail.com.

Hopefully, another aspect of ham operations will NOT be needed this fall namely, emergency communications associated with inclement weather, particularly hurricanes. However, one should be prepared. Is your portable ham radio equipment working, and do you remember how it operates? Please consider checking into some of the nets to refresh your communication skills. Do you have a "go-kit" prepared for you, your family, your pets, and your portable ham radio needs? Please take some time to think about your emergency preparedness and make adjustments as indicated.

Finally, I hope that you will attend the upcoming RARS meeting on Tuesday, September 6th. The program will be the "[Youth DX Adventure](#) in Costa Rica." It will be presented by 4 club members who participated on this once-in-a-lifetime experience: Grace Jenkins KJ4KWG; Sam Jenkins KI4TRG; Steve Jenkins KA8HXX; and Deb Bray KI4VVE. I can't wait to see their photos and hear what they have to say! **Since this program is focused on, and will be presented in part by, youth operators, don't forget to bring along your children or other youths interested in learning more about ham radio.**

Congratulations to RARS member Robert German KB4RGC
on his recent appointment as ARRL Technical Specialist for
the NC Section. Congrats, Bob!

A Bumblebee Adventure and Introduction to QRP Contesting

Article by Liz White KO4CK

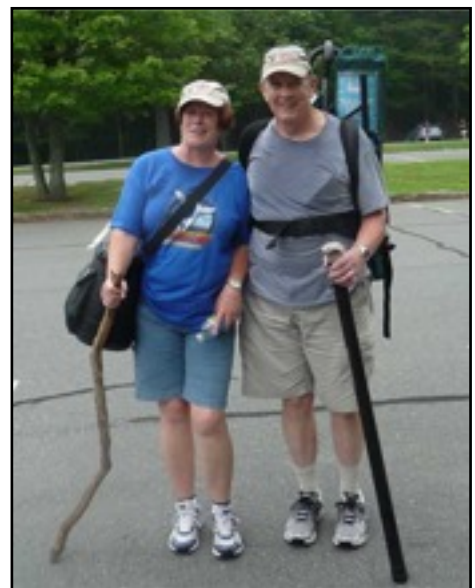
I promised Virginia NC4VA that I would write an article for the Exciter about my first QRP contest. We were talking at an exam session about my upcoming hiking trip with Joe WA4GIR to take part in a QRP contest event. For the event you were to hike, bike, or boat to some location and operate during a 4-hour window. It took place July 31 and the hours were from 1:00 – 5:00.

A little background should be noted. I am a ham. I have been licensed over 20 years (which pales in comparison with the length of time Joe has been a ham). I hold an Extra Class license and I received it when you had to pass the 20 wpm code test. My motivation for becoming an Extra was to be eligible to give exams. Joe had always been involved with the RARSVE team and that was something that I also wanted to do. (Little did I dream at that time that we would one day be the co-leaders for the team.)

Joe is quite active with the Knightlites QRP group and I frequently participate in a purely social role. Joe occasionally goes off to operate in various contests and they seem to be pretty laid back for the most part. I always thought it was good for him to go off and “play radio” with the guys. He would ask me to join him, but I usually declined because they often had a camping portion associated with them and I’m getting a bit old for that – staying at a Holiday Inn with a pool is my idea of roughing it these days!

In July Joe mentioned this Bumble Bee contest where you do the day trip thing and before I could really think about it, out of my mouth I heard – “Sure that sounds like it might be fun.” (What was I thinking!) So, the planning began. We would go to Hanging Rock and hike to Moore’s Knob. Joe remembered going there and camping in his youth and we had been to the Hanging Rock area years ago. He assured me it was only about 3 miles and not a bad hike. I could log for him and that would help him out tremendously and be fun to do. I didn’t have to copy as he would tell me what to log on the sheet. OK, I thought, I can handle that. He also said that he thought a lot of the code I learned before would come back to me, no matter that I had not ever used it. Well, maybe – I can pick out some things when he is on the Sunday night QRP net.

Liz KO4CK and Joe White WA4GIR



So he got the gear ready and we tried it out in the back yard. I was actually surprised how quickly you can set up. There is a telescoping antenna, radio (KI), small gel cell battery, several wires, headphones, paddles, and a keyer. After watching him, I think I could even set it up. It didn't sound like too much to carry. Of course, there was the aluminum camping table, camping stools, clip boards and pens that had to go, as well. Given the weather we have been having, water was a must, so there was a cooler (back pack type) with water and a few cokes. It's only 3 miles, so that shouldn't be too bad, I thought.

The morning of July 31 arrived. Instead of 100+, it was only supposed to be in the low 90's (phew). So away we went. We got there and started hiking around 12:10. The trails were not well marked and we ended up taking a loop trail which we found out later is quite a bit longer than one of the trails that goes directly to Moore's Knob. It wasn't too bad to begin with. Joe had a carrier with the gear and I had the water. Not too sweltering in the woods, but it was taking forever! I was hoping to be set up by the time the contest started, but there was no way that was going to happen. I was getting slower all the time as we were constantly climbing. Luckily I found an abandoned tree limb that someone else had apparently been using as a walking stick. That helped a lot. Joe kept going ahead and then he would wait for me to catch up. Finally, I said I didn't think I could go any further and besides, we came to operate, so couldn't we stop and set up? You could tell by looking around that we were near the top of the ridge. He went on a little ways while I rested, thinking he would actually see the top, but it didn't happen, so we found a fairly flat place and set up.



Joe WA4GIR operates during the Bumble Bee contest.

Then came the fun part. For the contest, people can get a Bumble Bee number ahead of time. We were BB 173. Joe started tuning around on 40 meters. Pretty quiet – only one contact. Then he switched to 20 meters and wow – lots and lots of stations heard – and the best part was that they heard us. Logging was fun and I was able to easily see whether we had worked a station or not. We only made a dozen contacts, yet we still ended up in the middle of the pack when the results were in. Not bad for

only operating about an hour. We cut the adventure short because it was getting stormy. It rained some, but not enough to make us stop, but when the lightning and thunder started to get worse, we decided the top of a mountain might not be the best place to

be – especially with a long antenna sticking up in the air. So, we packed up and prepared to go down the mountain. Meanwhile some hikers had passed when we were already set up and said that we really were almost at the top and once up there, we would find a spectacular view and a path to return that was more direct and had lots of steps cut into the rocks.

We quickly got everything put away and continued on. The hiker was correct, it didn't take us long to reach the summit and even though it was foggy and cloudy, it was a very nice view by the fire tower. The descent was indeed not as long, so the return to the car was much faster. Counting the walk to and from the parking lot, I would say that we hiked at least 4.5 miles.

Joe didn't ask me for my thoughts (I guess I did enough whining on the climb that he was afraid to do that). I asked him and he said he was going to give me time for the memories to fade a bit. It really was not necessary. Once I got back to the car, I would have said the same thing that I told him later. Even though the climb was tough (did I mention that in looking at the trail map later that it showed it as strenuous?) I would do it again. It would have been nice if we had given ourselves more time to get there. Maybe I wouldn't have pushed so hard and the climb would not have been so taxing, but I wanted to get there and get set up for the entire contest! My biggest disappointment was that the code did not come back like I had hoped (I think that means I need to brush up on it.) So my first QRP adventure was fun and, I think, a success. Joe might end up wishing he had not convinced me to go because now his times of going out with the guys to "play radio" might be more limited because the XYL is interested in participating in more contests with him.



Liz KO4CK by the fire tower at the summit of Moore's Knob in Hanging Rock, NC.

Upcoming Ham Radio Class

Have you ever had an interest in ham radio? Want to talk to folks around the world? Want to assist with communications during an emergency? Want to help with public service events? Like to talk and make new friends? Then ham radio may be for you!

WakeMed Health and Hospitals and RARS are sponsoring a class this Fall to assist interested folks in getting their **Technician Class License** (entry level). This **2-part class** will prepare participants for the FCC exam which will be administered at the end of the last class session. **The class is open to the public.** Details follow:

Dates: Saturday, Oct. 1, 2011 8:00 am – 12:30 pm
 Saturday, Oct. 8, 2011 8:00 am – noon; Exam at 1:00 pm

Place: WakeMed Cary Hospital in the Conference Center
 1900 Kildaire Farm Road
 Cary, NC 27518
 (Parking is free; please use the “overflow lot,” which is the small
 lot between the parking deck and Kildaire Farm Road.)

Instructor: Mike Murphy WA4BPJ, Raleigh Amateur Radio Society

Cost: \$30.00 for the class (includes manual) and \$15.00 for the exam fee; checks should be made out to RARS upon receipt of the manual. The exam fee will be paid at exam time.

All participation is by pre-registration. To pre-register for the class, please contact either Eric Weaver K4WVR, Campus Police & Public Safety for WakeMed Health & Hospitals
(O) 919-350-7424 or (C) 919-201-1568

EWEAVER@wakemed.org

or

Virginia Enzor NC4VA, Education Director for the Raleigh Amateur Radio Society
919-469-8555

nc4va@nc.rr.com

Deadline for pre-registration is Wednesday, September 28, 2011. Should you wish to receive the manual ahead of time, please contact Eric or Virginia to make arrangements. To learn more about ham radio, please visit www.arrl.org.

Minutes of the July 18, 2011 RARS Board Meeting

Minutes by Charlie Swindell WB4DCM, RARS Secretary

Present: John Snellen AI4RT, Selene Montgomery KG4RMT, Candy Orr KJ4OBQ, Hank Montgomery K4HM, Robert Starkenburg W4TTX, Chuck Littlewood K4HF, Ken McEwen KI4OTO, Virginia Enzor NC4VA, Don Downs WA4AVU, Greg Seamster KI4PAX, and Charles Swindell WB4DCM.

Apologies: Karl Bowman W4CHX

1. Call to order (Candy KJ4OBQ): The meeting was called to order by VP Candy Orr KJ4OBQ at 7:04PM.

2. Approval of minutes (Candy KJ4OBQ and Charles WB4DCM): The minutes of the June 22, 2011 Board of Directors meeting were approved as written.

3. Vice President (CJ KJ4OBQ): The Vice President has confirmed the following speakers:

1. August, Paul Stroud AA4XX will present QRP
2. September, Grace Jenkins KJ4KWG, Sam Jenkins KI4TRG, Deb Bray KI4VVE, Steve Jenkins KA8HXX Youth DX Adventure in Costa Rica: Where the Youth are the DX!
3. October the Auction
4. November John Snellen AI4RT Public Service Events
5. In addition, there was discussion of donations for the refreshments. It was concluded that an announcement needs to be made at the meeting each month.

4. Treasurer's report (Greg KE4PAX): Greg KE4PAX presented a Treasurer's report to the Board. For the new fiscal year, we have 202 members. The financial review was completed on July 11, 2011. Any RARS member desiring more detail should contact the Treasurer.

5. Secretary's report (Charles WB4DCM): Charles WB4DCM thanked Don Downs WA4AVU for handling the Secretarial duties in his absence. Good Job!

6. Committee reports:

1. Public Service Director (John AI4RT): John AI4RT advised the Board that there will be public service events every weekend. There have been 8 so far, but there is a maximum of one per weekend.

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2. Public Information Officer (Gary KN4AQ): No report.
3. Education Director (Virginia NC4VA): Virginia advised that there will be a Tech Class held jointly with Wake Med on October 1st and 8th. At this time, Virginia anticipates that it will be a large class.
4. Field Day Chair (Bob W4TTX): Bob W4TTX reported that the final score for Field Day was 16,606 for class 9A. He also advised that there were a large number of drinks left over. They will be carried to the next RARS meeting and if not consumed, will be donated to the First Alliance Church.
5. FM Repeater Chair (Gary KN4AQ): No report.
6. RARSFest Chair (John AI4RT): John AI4RT advised that no date has been set for the 2012 RARSFest. Easter is April 8th, that gives us the possibility of April 7th. We are communicating with the Fair Grounds to see if the following weekend is available.
7. Exciter Chair (Courtney KI4HOS): Courtney KI4HOS was not present but had sent an email requesting that we continue to provide articles for the EXCITER.
8. Hospitality Chair (Mary Jo K4MJL): No report.
9. Net Manager (Mary KG4OQA): No report.
10. ARRL Liaison (Chuck K4HF): No report.
11. At-Large Director (Don WA4AVU): Don WA4AVU is working on an APRS workshop. This workshop will focus on APRS configuration.
12. At-Large Director (Ken KI4OTO): No report.
13. At-Large Director (Jack N6UYB): No report.
14. RARSVE Coordinators (Joe WA4GIR and Liz KO4CK): No report.
15. RARS Web Master (Hank K4HM): Hank K4HM is working on a page to recognize our Field Day sponsors. Hank is planning to develop some website automation that will give recognition to our new members. Hank expressed concern that we do not have a page in honor of our Silent Keys.

7. Old Business:

1. Review and approval of letter to new hams: The version of the letter as prepared by Gary KN4AQ was deemed to be the best, but needed to include information on the RARS 2 meter net. The letter will be referred back to Gary KN4AQ for tweaking. Immediately following that issue, we had extensive discussion about the RARS letterhead/logo. It was finally agreed that the Secretary is the proper person to maintain custody of our letterhead/logo. Ken KI4OTO will help establish the proper format for the letterhead. VP Candy KJ4OBQ will confirm with Gary KN4AQ, PIO.

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2. Board of Directors job descriptions (Hank K4HM): K4HM announced that the job descriptions that he had received are posted on the web, however, a link for access is not currently displayed on the website. To access the documents you must use the link provided in his email to the Board. Updates and additions should be sent to the webmaster via email. Once the page is fully developed a link will be provided on the members only pages.
3. Bereavement donations (Gregg KE4PAX): Gregg KE4PAX has developed a letter to be sent to next of kin when RARS is going to make a financial donation in memory of a deceased member. The funds will be placed into our RARS Youth Education Fund.
4. Discussion of logo: There was extensive discussion about our logo and should it be a “service mark” which is similar to a trade mark. The issue will be referred to Gary KN4AQ our PIO person.

8. New Business:

1. Discussion of club insurance: Chuck K4HF advised that ARRL has changed insurance companies effective May 1, 2011 and is promoting the new company. Clubs may sign up on line. The old company will allow the existing policy to run to expiration or to cancel and receive a pro rata refund. There was brief discussion about claims made policies versus occurrence policies. K4HF made the motion that Treasurer Gregg KE4PAX be authorized to sign up with the new company and then to cancel our old policy. The motion was seconded and approved. Gregg KE4PAX had some concerns about the insurance requirements of repeater sights and other club activities.
2. Steve Jenkins, “We will be in Costa Rica on Thursday, July 21! See www.youthdx.org for the info on live web cam, etc...(not sure what they will be putting on the web site). Also, we will be spotting ourselves on the DX Cluster.”
3. Items for sale through Café Press (Hank K4HM): The question is whether we should do business with Café Press at the risk of losing other vendors who do in fact, come to RARSFest. The motion was made, seconded, and approved to remove all items from Café Press until we have the issue of the logo resolved

9. Board member comments:

1. John AI4RT expressed some concerns that our 501(c)(3) letter was old and out of date. He pointed out that several of the civic groups listed in the letter are no longer supported by our activities. Several editorial comments were made. John will send in some suggestions for updating the letter.

10. Adjournment (CJ KJ4OBQ): The meeting was adjourned at 9:38PM.

Minutes of the August 2, 2011 RARS General Meeting

Minutes by Charlie Swindell WB4DCM, RARS Secretary

1. Call to order: The meeting was called to order at 7:35 PM by Karl W4CHX. Everyone was welcomed to the meeting. There were 65 members and guests present.
2. Silence: A moment of silence was held in memory of two of our members who are now "Silent Keys". John Johnson KI4VVC and Ashby Sprately W5PGX.
3. Approval of minutes: The Minutes of the RARS General Membership meeting on July 5, 2011 were approved as written.
4. Vice President's report (CJ KJ4OBQ): VP CJ KJ4OBQ reported that our September meeting program will be Steve Jenkins KA8HXX and the crew from the Youth DXpedition Adventure to Costa Rica.
5. Treasurer's report (Greg KE4PAX): Treasurer Greg KE4PAX reported that RARS now has 228 members for the new fiscal year. Renewal notices have been sent to an additional 90 plus. A financial review was completed on July 11, 2011. Greg did comment that donations for refreshments have declined. If any RARS member has any questions, please contact Greg KE4PAX or Karl W4CHX for further information.
6. Announcements (Karl W4CHX):
 - a. RARS Dinner: second Tuesday, (8/9/11), 6:30 PM, Golden Corral, 6129 Glenwood Avenue (Hwy 70), monitor the 146.64 repeater on Tuesday (6/14) for any update information.
 - b. RARS Board meeting: third Tuesday (8/16/11), 7:00 PM, Triangle Radio Reading Service, 211 E. Six Forks Road, Suite 103; any RARS member is welcome to attend. For more information, contact any RARS officer.
 - c. After meeting gathering: Applebee's, Six Forks and Wake Forest Roads (by the Costco)
 - d. Speaker needed: The West Regional Library in Cary would like a RARS member to make another presentation on Amateur radio to a group of kids 8-11 years old. The preferred date is October 15, 2011 at 2:00 PM. For further information please contact Ms. Sue Mellott at smellott@wakegov.com.

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- e. Upcoming hamfests: CFARS Swapfest, Fayetteville, NC (8/6); Berryville Hamfest, Berryville, VA (8/7); ARRL West Virginia State Convention, Weston, WV (8/20); and, ARRL Alabama Section Convention, Huntsville, AL (8/20-21)

- f. Guests: We were honored to have Olivia Hurd KG4IYI and her sister Debbie to visit with us tonight.

7. Reports from RARS Board members and others:

- a. John Snellen AI4RT Public Service: John was unable to attend the meeting but sent an email to Presiden Karl W4CHX advising that the next public service project will be the MS Bike Ride in New Bern on Saturday and Sunday, September 9th and 10th. This is a large event and requires lots of hams but is lots of fun. Go to the RARS web site to volunteer.
- b. John Snellen AI4RT RARSFest: John also included a comment in his email that the first RARSFest planning meeting will be held during September. RARSFest will require lots of help. More information will be forthcoming in the next few weeks.

8. Any other business:

- a. Ride Without Limits: The Ride Without Limits will be held on August 27th & 28th. The event begins at Camp Royall near Moncure and runs 75/100 miles through the country. Volunteers are needed. Go to www.hampublicservice.org.
- b. Ten Meter Net: Alan AB4OZ announced that following the Tech Net on Saturday, August 6, there would be a 10 meter net on 28.364 Mhz.
- c. RARS Web Page: Chuck K4HF reminded everyone that there is lots of equipment for sale listed on the RARS web page.

9. Drawing: The winners were Selene KG4RMT and Hank K4HM!

10. Program: "QRP", presented by Paul Stroud, AA4XX. VP CJ KJ4OBQ introduced Paul AA4XX and his large display of QRP related items. Paul held up a kite and stated that at the end of a kite is a smiling face and at a QRP is a smiling face. He then reviewed the equipment used including rigs and antennas. Paul provided pictures of places from which he operated QRP. There is a QRP net on 3575 at 9:00 PM on Sundays.

11. Adjournment: The meeting was adjourned at 8:46 PM by Karl W4CHX.

Local Amateur Radio Nets

Join us every evening at 8 PM on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

Central Carolina SKYWARN

Please join us each Tuesday @ 9:15 PM on the 146.880 repeater for the CCS net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

The **PCTN (Piedmont Costal Traffic Net)** meets every night at 9 PM on the 146.880. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The Wake County ARES

Net meets Thursdays at 8:30 PM on the 146.640 repeater. We provide discussion training for the implementation and provision of emergency communications for our served agencies, such as the American

Red Cross and the local and state Emergency Operations Center. Please join us. For more information, check out www.wakeares.org.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 PM.

This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

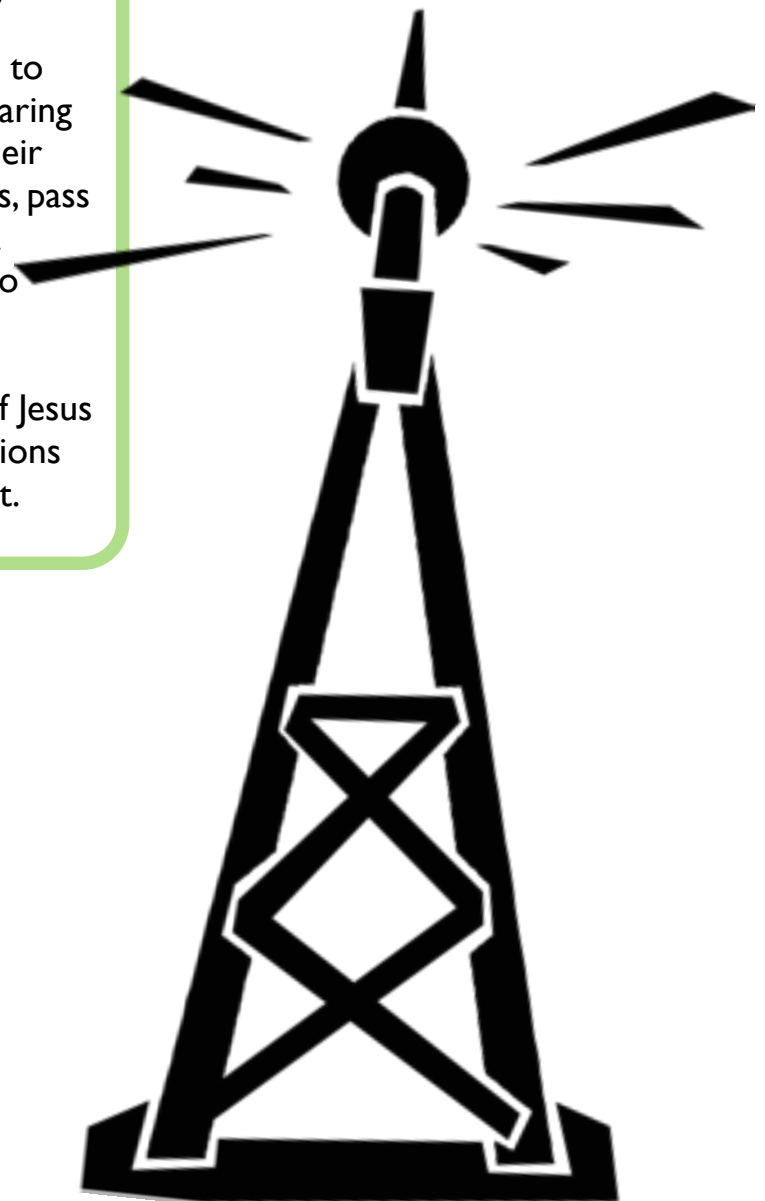
Local Amateur Radio Nets

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 at 8:30 PM.

Apex Emergency Response Communications Net

This net meets weekly each Sunday evening @ 9 PM on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints. All stations are invited to participate in this net.

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.



RARS Classifieds

Looking to add a new radio to your shack? Have an antenna for sale? Browse the RARS classifieds for new and used radio equipment at <http://rars.org/classifieds.php>.

RARS members are welcome to post notices about equipment they are selling. Posts last for 30 days and are editable at any time.

Using our classifieds is a great way for buyers to search for available items and for sellers to reach a local, targeted audience.

The Raleigh Amateur Radio Society's

EXCITER

Raleigh Amateur Radio Society, Inc.
PO Box 17124
Raleigh, NC 27619

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